

I-81 Phase 2
Inside Widening and Interchanges
Draft - Concept Cost Estimate

Category 1- Preliminary									
Item No.	Code No.	Description	Unit	Quantity	Unit Price	Total	Additional Quantity	Additional Cost	Total Cost
1001	100000	40% of Categories 2,4,5 & 6	LS	1	\$8,053,600.00	\$8,053,600.00	1	\$660,800.00	\$8,714,400.00
Category 1000 Total						\$8,053,600.00		\$660,800.00	\$8,714,400.00
Category 2- Grading									
Item No.	Code No.	Description	Unit	Quantity	Unit Price	Total	Additional Quantity	Additional Cost	Total Cost
2001	201030	Class I Excavation	CY	39,175	\$18.00	\$705,150.00	2,000	\$36,000.00	\$741,150.00
2002	202065	Common Borrow	CY	26,620	\$16.00	\$425,920.00	1,500	\$24,000.00	\$449,920.00
2003	203030	Test Pit Excavation	CY	1,000	\$100.00	\$100,000.00	50	\$5,000.00	\$105,000.00
Category 2000 Total						\$1,231,070.00		\$65,000.00	\$1,296,070.00
Category 3- Drainage and SWM									
Item No.	Code No.	Description	Unit	Quantity	Unit Price	Total	Additional Quantity	Additional Cost	Total Cost
3001	300000	Drainage - 35% of Categories 2,4,5 & 6	LS	1	\$7,046,900.00	\$7,046,900.00	1	\$578,200.00	\$7,625,100.00
3002	300000	SWM and ESD	LS	1	\$6,000,000.00	\$6,000,000.00	1	\$250,000.00	\$6,250,000.00
Category 3000 Total						\$13,046,900.00		\$828,200.00	\$13,875,100.00
Category 4- Structures									
Item No.	Code No.	Description	Unit	Quantity	Unit Price	Total	Additional Quantity	Additional Cost	Total Cost
4001	400000	Noise Wall	SF	175,000	\$40.00	\$7,000,000.00	-	\$0.00	\$7,000,000.00
Category 3000 Total						\$7,000,000.00		\$0.00	\$7,000,000.00
Category 5- Paving									
Item No.	Code No.	Description	Unit	Quantity	Unit Price	Total	Additional Quantity	Additional Cost	Total Cost
5001	504518	Superpave Asphalt Mix 9.5mm for Wedge/Level, PG-64S-22, Level 2	TON	18,000	\$85.00	\$1,530,000.00	3,075	\$261,375.00	\$1,791,375.00
5002	504545	Gap-Graded Asphalt Mix 12.5mm for Surface, PG64E-22, Level 5	TON	34,500	\$100.00	\$3,450,000.00	6,150	\$615,000.00	\$4,065,000.00
5003	504560	Superpave Asphalt Mix 19.0mm for Base, PG 64S-22, Level 2	TON	59,000	\$75.00	\$4,425,000.00	3,720	\$279,000.00	\$4,704,000.00
5004	520113	6 Inch Graded Aggregate Base Course	SY	83,200	\$8.00	\$665,600.00	5,270	\$42,160.00	\$707,760.00
5005	530161	Milling Asphalt Pavement (0 Inch to 2 Inch Depth)	SY	265,320	\$2.00	\$530,640.00	46,980	\$93,960.00	\$624,600.00
5006	549201	5 Inch White Inlaid Pavement Marking Tape	LF	88,010	\$2.00	\$176,020.00	13,120	\$26,240.00	\$202,260.00
5007	549203	5 Inch Yellow Inlaid Pavement Marking Tape	LF	62,810	\$2.00	\$125,620.00	10,500	\$21,000.00	\$146,620.00
5008	549702	Snowplowable Raised Pavement Marker With Steel Holder	EA	2,425	\$30.00	\$72,750.00	135	\$4,050.00	\$76,800.00
Category 5000 Total						\$10,975,630.00		\$1,342,785.00	\$12,318,415.00
Category 6- Shoulders									
Item No.	Code No.	Description	Unit	Quantity	Unit Price	Total	Additional Quantity	Additional Cost	Total Cost
6001	616700	Shoulder Rumble Strips	LF	75,000	\$2.00	\$150,000.00	11,000	\$22,000.00	\$172,000.00
6002	620163	42 Inch F Shape Concrete Traffic Barrier Single Face Type 3	LF	2,400	\$200.00	\$480,000.00	980	\$196,000.00	\$676,000.00
6003	660650	Traffic Barrier W Beam Using 8 Foot Post	LF	19,000	\$20.00	\$380,000.00	1,000	\$20,000.00	\$400,000.00
6004	661510	Type C Traffic Barrier End Treatment	EA	5	\$2,500.00	\$12,500.00	1	\$2,500.00	\$15,000.00
6005	661540	Type K Traffic Barrier End Treatment, Any Option	EA	20	\$750.00	\$15,000.00	2	\$1,500.00	\$16,500.00
6006	662325	Removal and Disposal of Existing Traffic Barrier W Beam	LF	19,000	\$2.00	\$38,000.00	1,000	\$2,000.00	\$40,000.00
Category 6000 Total						\$925,500.00		\$244,000.00	\$1,319,500.00

Category 7- Landscape									
Item No.	Code No.	Description	Unit	Quantity	Unit Price	Total	Additional Quantity	Additional Cost	Total Cost
7001	700000	10% of Categories 2,4,5 & 6	EA	1	\$2,013,400.00	\$2,013,400.00	1	\$165,200.00	\$2,178,600.00
Category 7000 Total						\$2,013,400.00		\$165,200.00	\$2,178,600.00
Category 8- Traffic and Utilities									
Item No.	Code No.	Description	Unit	Quantity	Unit Price	Total	Additional Quantity	Additional Cost	Total Cost
8001	800000	Traffic	LS	1	\$3,000,000.00	\$3,000,000.00	1	\$250,000.00	\$3,250,000.00
Category 8000 Total						\$3,000,000.00		\$250,000.00	\$3,250,000.00

Note: R/W , and Utility Cost are not included in the cost estimate.

Extension			
Sub Totals (Rounded up)		Sub Totals (Rounded up)	
Category 1	\$8,054,000.00	Category 1	\$661,000.00
Category 2	\$1,232,000.00	Category 2	\$65,000.00
Category 3	\$13,047,000.00	Category 3	\$829,000.00
Category 4	\$7,000,000.00	Category 4	\$0.00
Category 5	\$10,976,000.00	Category 5	\$1,343,000.00
Category 6	\$926,000.00	Category 6	\$244,000.00
Category 7	\$2,014,000.00	Category 7	\$166,000.00
Category 8	\$3,000,000.00	Category 8	\$250,000.00
Neat - Total	\$46,249,000.00	Neat - Total	\$3,558,000.00
Contingency (35%)	\$16,187,150.00	Contingency (35%)	\$1,245,300.00
Overhead (15.3%)	\$7,076,097.00	Overhead (15.3%)	\$544,374.00
Rounded Total	\$69,513,000.00	Rounded Total	\$5,348,000.00

Total	
Sub Totals (Rounded up)	
Category 1	\$8,715,000.00
Category 2	\$1,297,000.00
Category 3	\$13,876,000.00
Category 4	\$7,000,000.00
Category 5	\$12,319,000.00
Category 6	\$1,170,000.00
Category 7	\$2,180,000.00
Category 8	\$3,250,000.00
Neat - Total	\$49,807,000.00
Contingency (35%)	\$17,432,450.00
Overhead (15.3%)	\$7,620,471.00
Rounded Total	\$74,861,000.00

Engineering Firm: McCormick Taylor